

**Amendments to the Specification:**

Please amend the specification as follows:

Please insert the following header following the title and prior the first paragraph on the first page:

**BACKGROUND**

Please insert the following header following the second paragraph on the second page and prior the third paragraph beginning with the phrase “The Applicant was set this problem and, ...”

**SUMMARY**

Please delete the fourth paragraph on the second page. The paragraph to be deleted stating “Scorning cheap solutions, the Applicant therefore dared to introduce additional means in the aim of increasing safety, using a solution which a priori is more logical but which had been discarded.”

Please insert the following header following the sixth paragraph on the second page and prior the seventh paragraph beginning with the phrase “The invention will be more clearly understood ...”

**DETAILED DESCRIPTION**

Please replace the sixth paragraph on the second page. Please replace the paragraph stating “Preferably, the calculating means are designed to calculate a thermally compensated change in pressure.” with “The calculating means may be configured to calculate a thermally compensated change in pressure.”

Please amend the seventh paragraph on the fourth page. Please replace the language stating “It is under such condition that the Applicant has considered it to be preferable to integrate” with “Accordingly, microprocessor 7 may be configured to integrate”